

ABSTRACT

A thin and flat type heat pipe with enhanced heat conductivity. Between an upper member 22 having a rectangular area 24b on a lower surface and a lower member 20 having a rectangular area 24a on an upper area are provided intermediate plate members 32, 30. The members 32, 30 are each formed with slits 8, constructing a vapor path extending in a planar direction, communicating with the rectangular areas 24a, 24b of the members 22, 20, respectively. Thus, a sealed space is defined by the slits 8 and the rectangular areas 24a, 24b so that a refrigerant is enclosed in the sealed space. Capillary holes 10 are formed through non-slotted portions of the intermediate plate members 32, 30 so that each capillary hole 10 serves as a capillary path of flow extending vertically to communicate with the rectangular areas 24a, 24b of the members 22, 20.